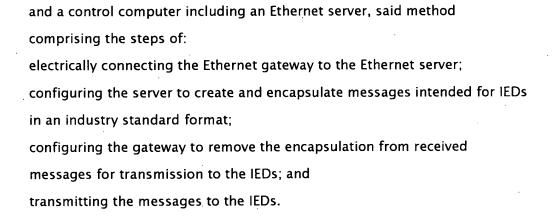
Claims

	•
[c1]	A power control management system comprising:
	at least one intelligent end device (IED);
	a control computer comprising an Ethernet server configured to create and
	encapsulate messages intended for said IEDs, in an industry standard format; and
	an Ethernet gateway configured to communicate with said server and
	transmit messages to said IEDs.
[c2]	A power control system according to Claim 1 wherein said server further
	configured to encapsulate messages with a TCP/IP Ethernet header and footer.
[c3]	A power control system according to Claim 2 wherein said gateway further
	configured to extract the TCP/IP Ethernet header and footer from the
	encapsulated messages.
[c4]	A power control system according to Claim 3 wherein said gateway further
	configured to transmit messages to at least one IED.
[c5]	A power control system according to Claim 1 wherein said gateway further
·	configured to encapsulate messages returned from said IEDs with an
	industry standard header and footer for transmission to said Ethernet server.
[c6]	A power control management system according to Claim 5 wherein the
	messages are encapsulated with a TCP/IP Ethernet header and footer.
[c7]	A power control management system according to Claim 1 wherein said
	server is further configured to act as a communications server for other
	programs resident in an applications layer.
[c8]	A power control system according to Claim 1 further comprising at least one
	IED configured with said Ethernet gateway.
[c9].	A method for communicating with intelligent end devices (IEDs) in a power
	control management system including at least one IED, an Ethernet gateway,



- [c10] A method according to Claim 9 wherein said step of configuring the server to create and encapsulate messages comprises the step of encapsulating messages with a TCP/IP Ethernet header and footer.
- [c11] A method according to Claim 10 wherein said step of configuring the gateway to remove the encapsulation from received messages comprises the step of configuring the gateway to extract the TCP/IP Ethernet header and footer from the encapsulated messages.
- [c12] A method according to Claim 11 further comprising the steps of:

 configuring the gateway to encapsulate messages returned from the IEDs

 with an industry standard header and footer; and

 transmitting the encapsulated messages to the Ethernet server.
- [c13] A method according to Claim 12 wherein said step of configuring the gateway comprises the step of encapsulating the messages with a TCP/IP Ethernet header and footer.
- [c14] A method according to Claim 9 further comprising the step of configuring the Ethernet server to act as a communications server for other programs resident in an applications layer.
- [c15] A computer programmed to create and encapsulate messages in an industry standard format, said computer further programmed to function as an Ethernet server for transmission of the messages.

